



CONSTRUCTION EQUIPMENT

661038 ATLAS VOLVO L70H 623710 - REAR AXLE



Sample No: VCP438297
Oil Type: VOLVO WB 102
Job No: 661038 ATLAS



SAMPLE INFORMATION

Sample Number	VCP438297	VCP440989	VCP425063	---
Sample Date	22 Jan 2024	12 Oct 2023	29 Jun 2023	---
Machine Hours	9343	8743	8172	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	ATTENTION	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	42.6	41.0	41.2	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	15	9	18	---
Sodium	ppm	<1	2	6	---
Potassium	ppm	1	0	3	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	73	36	295	---
Copper	ppm	29	27	165	---
Lead	ppm	<1	0	2	---
Tin	ppm	3	2	21	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	1	<1	8	---
Molybdenum	ppm	6	5	5	---
Nickel	ppm	0	0	2	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	2	15	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	3790	3084	4027	---
Magnesium	ppm	43	34	14	---
Zinc	ppm	1604	1265	1697	---
Phosphorus	ppm	1304	1146	1403	---
Barium	ppm	0	0	0	---
Boron	ppm	150	105	137	---

Depot: VOLVO0096
Unique No: 10849953
Signed: Wes Davis
Report Date: 30 Jan 2024



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GRAPHS

